ABSTRACT OF THE DISCLOSURE

A prismatic battery module employs a prismatic battery case having a single space formed by connecting a plurality of prismatic cell cases in series. Positive and negative electrode plates are alternately stacked via a separator, and lead portions are formed by projecting side portions of the positive and negative electrode plates opposite to each other. Collectors are connected to the lead portions on both sides of the electrode plate group, and adjacent collectors of associated electrode plate groups are connected to each other by using an electroconductive adhesive or the like. Then, the electrode plate groups being connected in series are disposed in the prismatic battery case. Thereafter, a sealing material is applied to each space between each of the outer peripheries of the adjacent collectors and the wall surface of the prismatic battery case to partition the plurality of cell cases from one another. The resulted construction allows the battery module to reduce the electrical communication path between the electrode plate groups and thereby reduce the internal resistance.